

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : David Fedida et al.  
Int'l Application No. : PCT/US2003/022165  
U.S. Application No. : 10/520,780  
Int'l Filing Date : July 14, 2003  
Title : MUTATIONS OF VOLTAGE-GATED ION CHANNELS THAT  
ALLOW THEM TO EXPRESS A VOLTAGE-INDEPENDENT  
PHENOTYPE AND AN IMPROVED METHOD TO USE THE  
SAME

Docket No. : 480102.425USPC  
Date : September 12, 2005

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents:

In accordance with 37 CFR 1.56 and 1.97 through 1.98, applicants wish to make known to the U.S. Patent and Trademark Office the references set forth on the attached Form PTO-1449. Copies of the cited U.S. patents and published patent applications are not required and accordingly have not been provided. As to any reference cited, applicants do not admit that it is "prior art" under 35 U.S.C. §§ 102 or 103, and specifically reserve the right to traverse or antedate any such reference, as by a showing under 37 CFR 1.131 or other method. Although the aforesaid references are made known to the Patent and Trademark Office in compliance with applicants' duty to disclose all information they are aware of which is believed relevant to the examination of the above-identified application, applicants believe that their invention is patentable.

Please acknowledge receipt of this Information Disclosure Statement and kindly make the cited references of record in the above-identified application.

Applicants believe this Information Disclosure Statement has been timely filed, however, the Director is authorized to charge any fee due by way of this Information Disclosure Statement to our Deposit Account No. 19-1090.

Respectfully submitted,

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Form PTO-1449

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|---|--|--|------------------------------------|-------------------------------|
| FORM PTO-1449<br>(REV.7-80)   |  | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO.<br>480102.425USPC | APPLICATION NO.<br>10/520,780 |
| INFORMATION DISCLOSURE STATEMENT<br>(Use several sheets if necessary) |  | APPLICANTS<br>David Fedida et al.                          |                                    |                               |
|   |  | FILING DATE<br>July 14, 2003                               | GROUP ART UNIT                     |                               |

## U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE     | NAME           | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|-------------------|----|-----------------|----------|----------------|-------|----------|----------------------------|
|                   | AA | 5,795,770       | 08/18/98 | Gaber          | 435   | 254.2    |                            |
|                   | AB | 6,641,997       | 11/04/03 | MacKinnon      | 435   | 6        |                            |
|                   | AC | 2003/0190693    | 10/09/03 | Leberer et al. | 435   | 29       |                            |
|                   | AD |                 |          |                |       |          |                            |
|                   | AE |                 |          |                |       |          |                            |
|                   | AF |                 |          |                |       |          |                            |
|                   | AG |                 |          |                |       |          |                            |
|                   | AH |                 |          |                |       |          |                            |
|                   | AI |                 |          |                |       |          |                            |
|                   | AJ |                 |          |                |       |          |                            |

## FOREIGN PATENT DOCUMENTS

|  |    | DOCUMENT NUMBER | DATE | COUNTRY | TRANSLATION<br>YES      NO |
|--|----|-----------------|------|---------|----------------------------|
|  | AK |                 |      |         |                            |
|  | AL |                 |      |         |                            |
|  | AM |                 |      |         |                            |
|  | AN |                 |      |         |                            |
|  | AO |                 |      |         |                            |

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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|--|----|--|--|
|  | AP |  |  |
|  | AQ |  |  |
|  | AR |  |  |

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|----------|-----------------|
| EXAMINER | DATE CONSIDERED |
|----------|-----------------|

\* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).